

2020 BenchCouncil International Symposium on Block Chain (BChain 20) Call for Papers

Web: <http://www.benchcouncil.org/bchain20/en/index.html>

July 1-2, 2020, Qingdao, Shandong, China

✧ Introduction

BenchCouncil International Symposium on Block Chain (BChain 20) will be held in Qingdao, a beautiful seaside city in China from July 1 to July 2. The main theme of BChain 20 is block chain algorithms, systems, and applications. BChain 20 is a part of [2020 BenchCouncil Federated Intelligent Computing and Block Chain Conferences \(FICC 2020\)](#), joint with [Symposium on Intelligent Computers \(IC 20\)](#), [Symposium on Intelligent Medical Technology \(MedTech 20\)](#), [Symposium on Financial Technology \(FinTech 20\)](#), and [Symposium on Education Technology \(EduTech 20\)](#). This conference organization retains the advantages of a smaller conference, while at the same time, facilitates communication, collaboration, and interplay among different disciplines. Hereby, BChain 20 is for the communication, collaboration, and interplay among the communities of Block chain, Finance, Medicine, and Education.

Since its founding, [BenchCouncil](#) has two fundamental responsibilities. On one hand, it encourages data-driven, intelligence-inspired, and benchmark-based quantitative approaches to tackle multi-disciplinary challenges. On the other hand, BenchCouncil incubates benchmark projects and hosts the BenchCouncil projects, and further encourages reliable and reproducible research using the BenchCouncil benchmark projects or incubator benchmark projects. To that end, we present the BenchCouncil Award for Excellence for Reproducible Research to the papers accepted by BChain 20 (each paper \$100 prize, maximally up to 15 papers for BChain 20). We welcome the industry leaders as sponsors to provide the testbed and the honorariums for the above awards.

In addition, we will invite influential speakers from around the world.

✧ Call for papers

Topics

Specific topics of interest include, but are not limited to, the following.

** Innovative and emerging decentralized applications (dApps)

- ** Practical use of block chain, and/or distributed ledger technologies (DLT)
- ** Benchmarks, performance evaluation, and optimization of block chain, and/or distributed ledger technologies (DLT)
- ** dApps integrated development environments (IDE)
- ** dApps, block chain, and/or DLT software engineering
- ** Attack-resistant decentralized trust systems
- ** Decentralized consensus algorithms and protocols
- **Performance of dApps, block chain, and/or DLT
- **Interoperability between different block chains/DLT
- **Standardization of block chain, and/or DLT
- **Security and formal verification of dApps, block chain, and/or DLT
- **Hardware security modules use in dApps, block chain, and/or DLT
- **Legal aspects in dApps, block chain, and/or DLT
- **Business models and economics of dApps, block chain, and/or DLT
- **Tokenomics and other incentive and sustainability mechanisms
- **Usability and user studies of dApps, block chain, and/or DLT
- **Privacy and other legal aspects of dApps, block chain, and/or DLT
- **Data management of dApps, block chain, and/or DLT
- **Architecture of dApps, block chain, and/or DLT
- ** Regulation, auditing and forensics of dApps, block chain, and/or DLT
- ** Block chain encryption of dApps, block chain, and/or DLT
- ** Smart contracts
- ** Customized hardware design for dApps, block chain, and/or DLT

** Scalability, reliability, and energy efficiency of dApps, block chain, and/or DLT

** Infrastructures for dApps, block chain, and/or DLT

✧ Paper Submissions:

Papers must be written in English and submitted in PDF. **The submissions will be judged based on the merit of the ideas rather than the length.** For a paper, the page limit is 8 pages in standard two-column IEEE conference format or 12 pages in LNCS format, not including references. For a valid submission, the page size should exceed 4 pages in standard two-column IEEE conference format or 6 pages in LNCS format, not including references. After the acceptance decisions are made, the presentation mode of each **paper** is determined based on the recommendations as **poster, spotlight, or oral**. All **accepted papers**, regardless of presentation mode, appear in the proceedings as full-length papers. The proceeding of 2020 BenchCouncil International Federated Intelligent Computing and Block Chain Conferences will be published by Springer LNCS (Indexed by EI). **For the papers which win the BenchCouncil Award for Excellence for Reproducible Research (each paper \$100 prize, maximally up to 15 papers for BChain 20), an extended version must be submitted to a BenchCouncil Transaction.**

Formatting Instructions

IEEE conference format:

8.5" x 11" ([DOC](#), [PDF](#))

[LaTeX Formatting Macros](#)

LNCS format:

[LaTeX Template](#)

Please make sure your submission satisfies ALL of the following requirements:

- Paper must be submitted in printable PDF format.
- Please number the pages of your submission.
- The submission must be formatted for black-and-white printers. Please make sure your figures are readable when printed in black-and-white.
- The submission must describe unpublished work that is not currently under review of any other conference or journal venues.

Submission site:

<https://easychair.org/conferences/?conf=ficc2020>

Please note that we will use the same submission site for the five conferences. Specifically, each track will be set up for each individual conference.

✧ Important Dates

Paper Submission: April 15, 2020 (Anywhere on Earth)
Acceptance Notification: May 15, 2020
Camera-ready Version: June 1, 2020
Conference Date: July 1-2, 2020

✧ Organization

Program	Prof. Xueming Si, Fudan University
Co-Chairs	Prof. Jianliang Xu, Hong Kong Baptist University

Program Committee Members

Bin Xiao, Hong Kong Polytechnic University
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